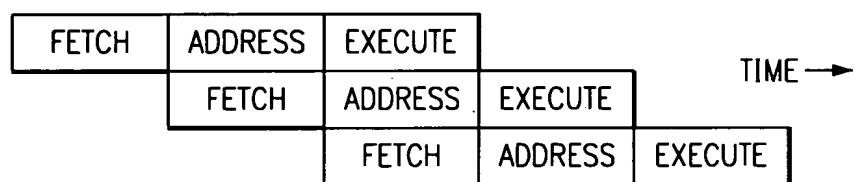


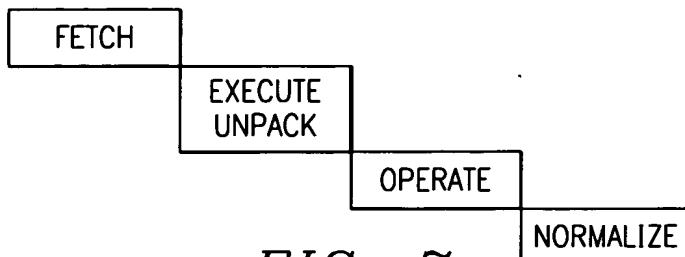
*FIG. 1
(PRIOR ART)*



*FIG. 4
(PRIOR ART)*

STAGE	T1	T2	T3	T4	T5
FETCH	ONE	TWO	THREE		
EXECUTE		ONE	TWO	THREE	
MEMORY			ONE	TWO	THREE

*FIG. 6
(PRIOR ART)*



*FIG. 7
(PRIOR ART)*

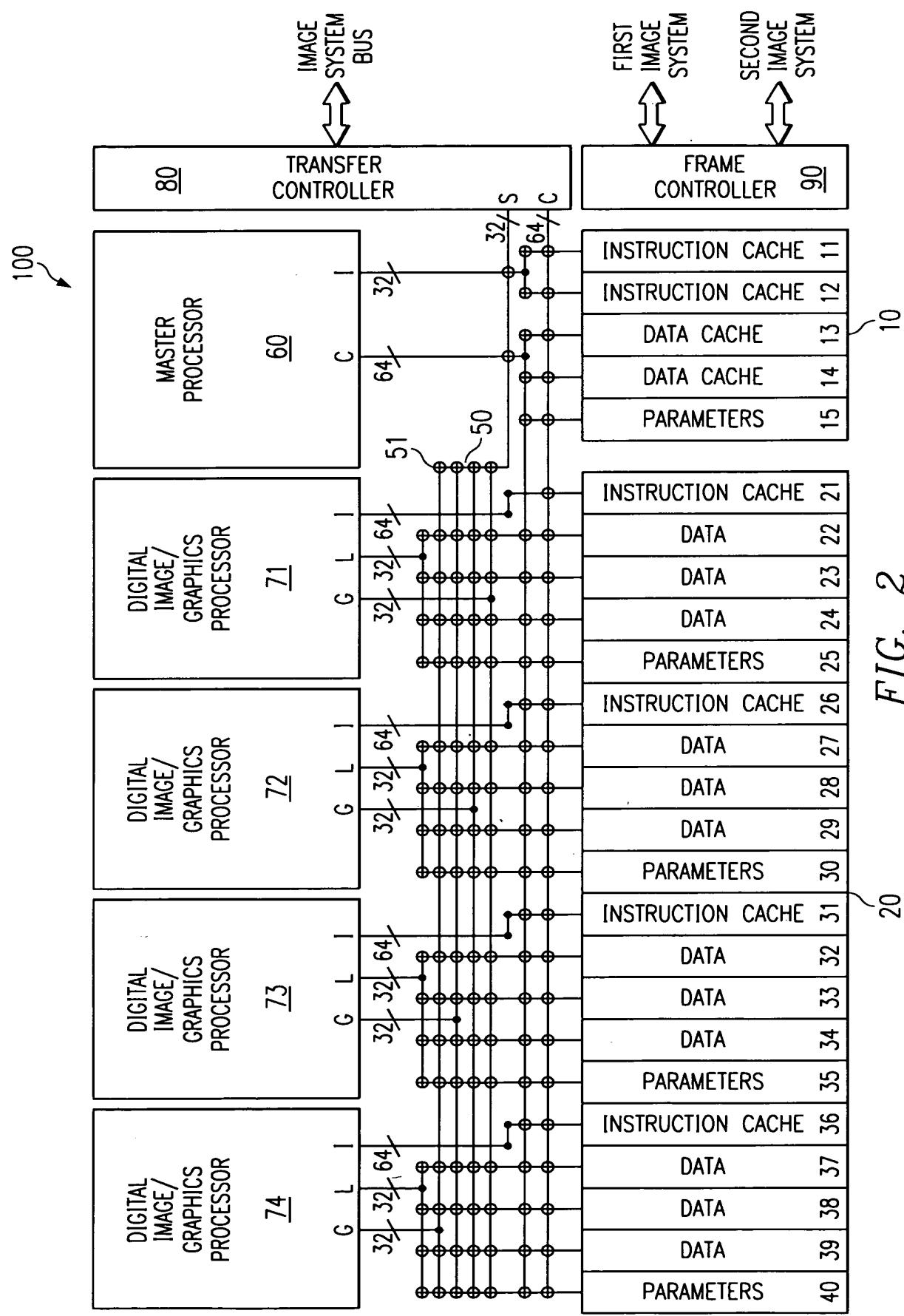
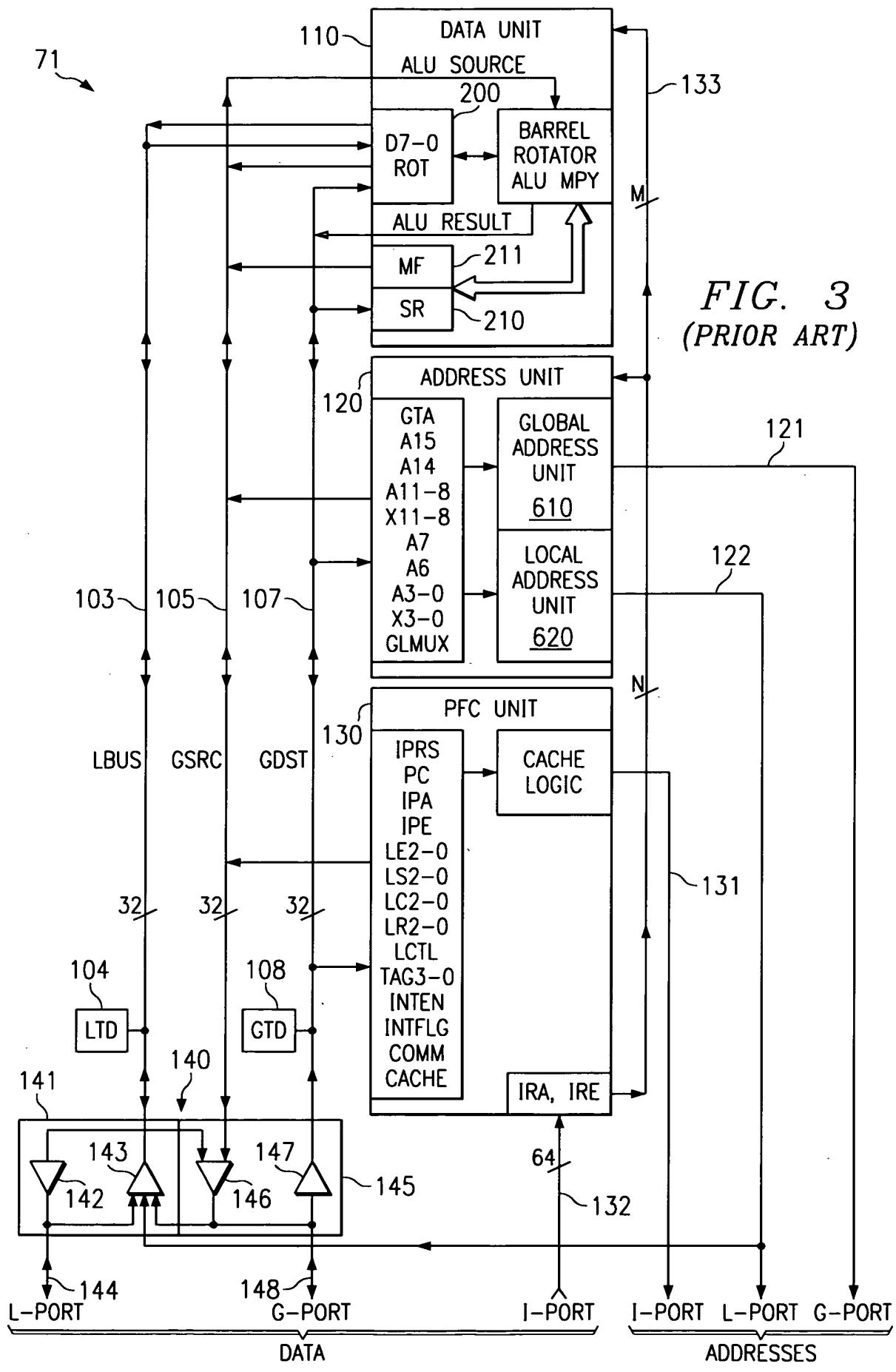


FIG. 2
(PRIOR ART)

20



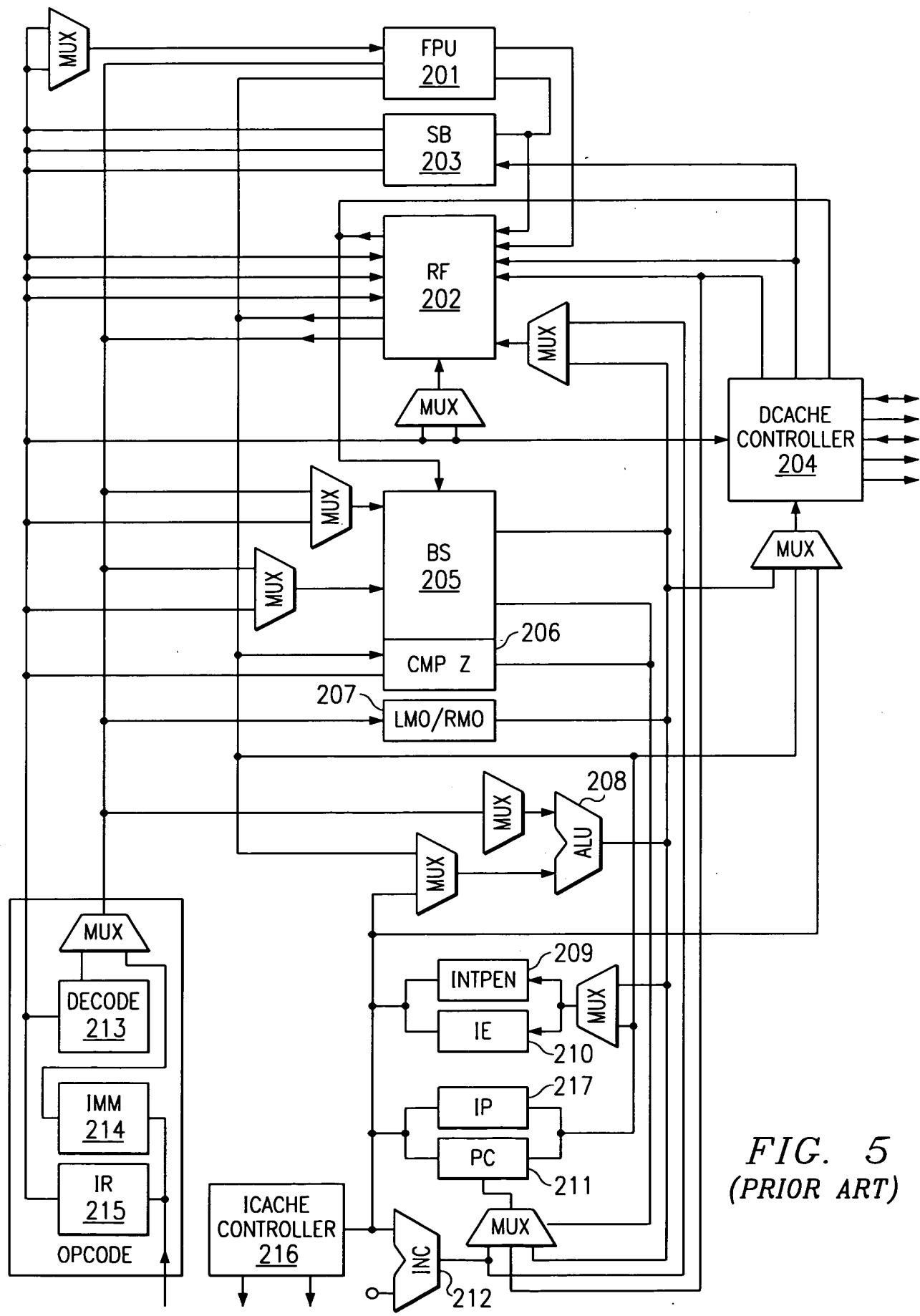


FIG. 5
(PRIOR ART)

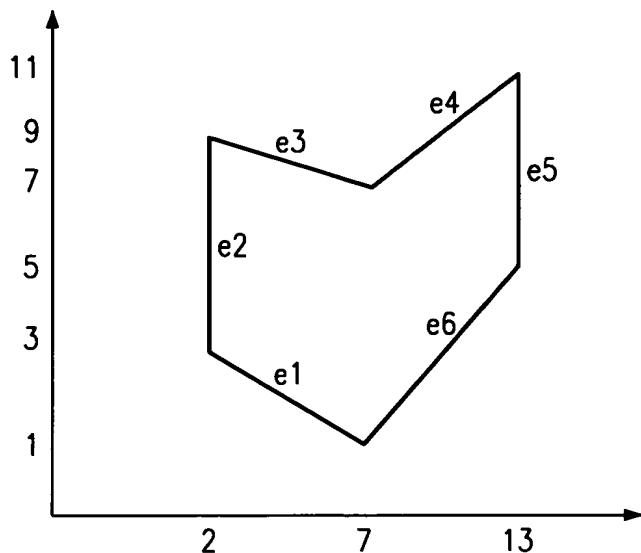


FIG. 8

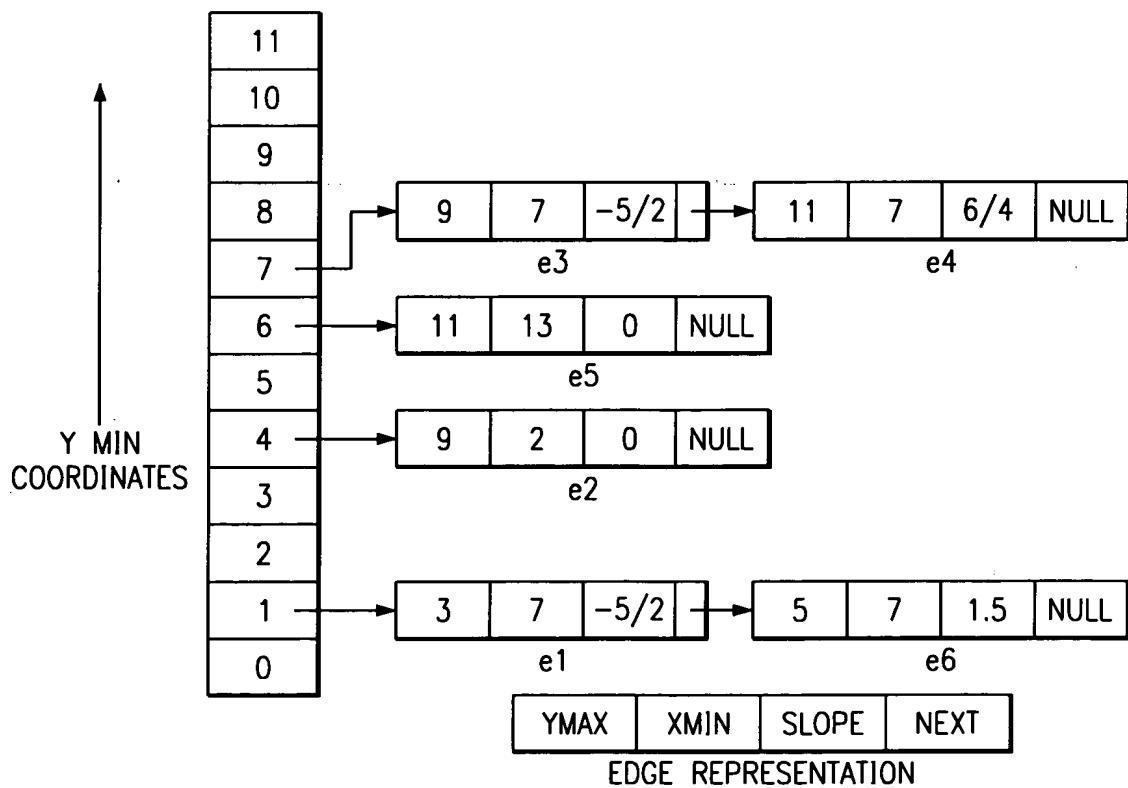


FIG. 9
(PRIOR ART)

RUNS ON THE SCAN LINE

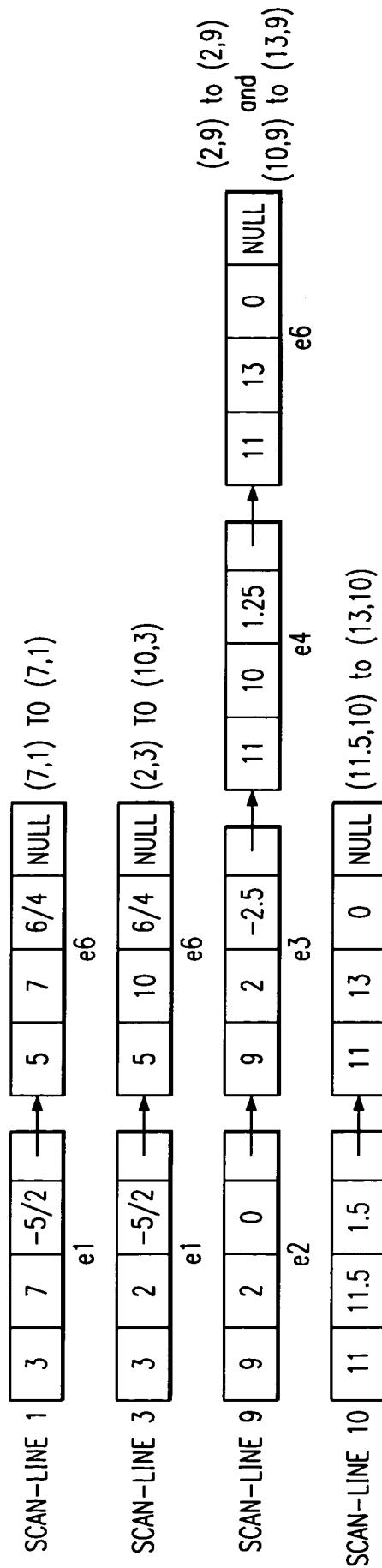


FIG. 10
(PRIOR ART)

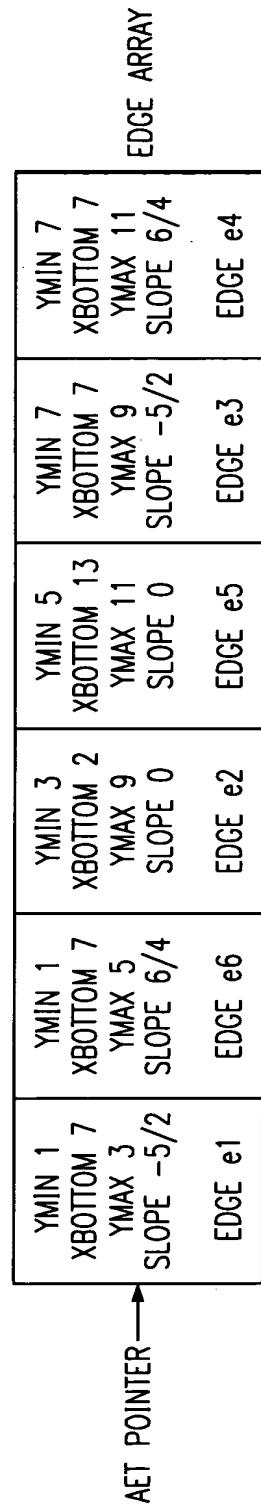


FIG. 11

FIG. 12a

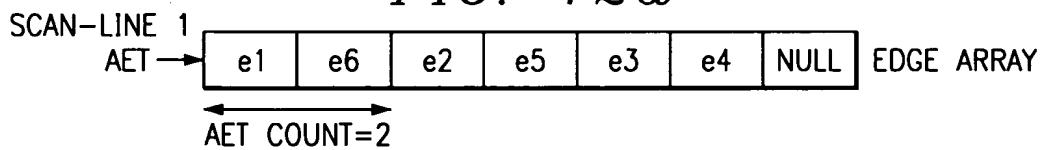


FIG. 12b

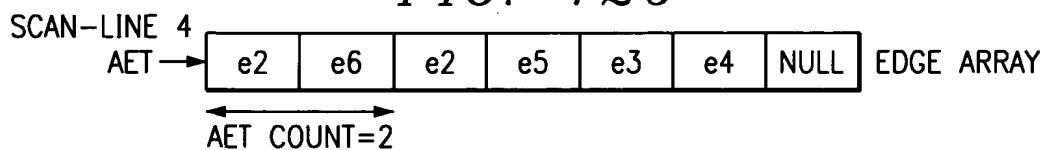


FIG. 12c

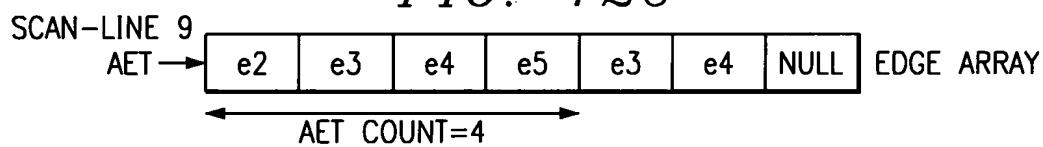


FIG. 13a
(PRIOR ART)

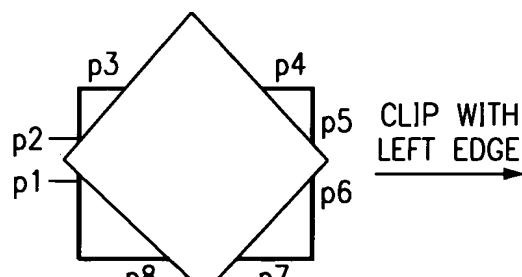


FIG. 13b
(PRIOR ART)

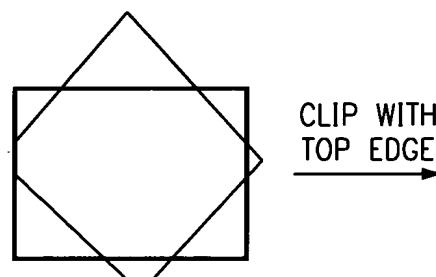
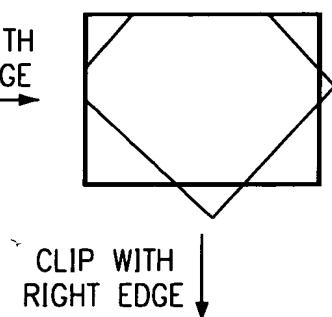


FIG. 13c
(PRIOR ART)



SQUARE=CLIP POLYGON
DIAMOND=SUBJECT POLYGON

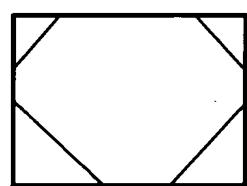


FIG. 13e
(PRIOR ART)

FIG. 13d
(PRIOR ART)

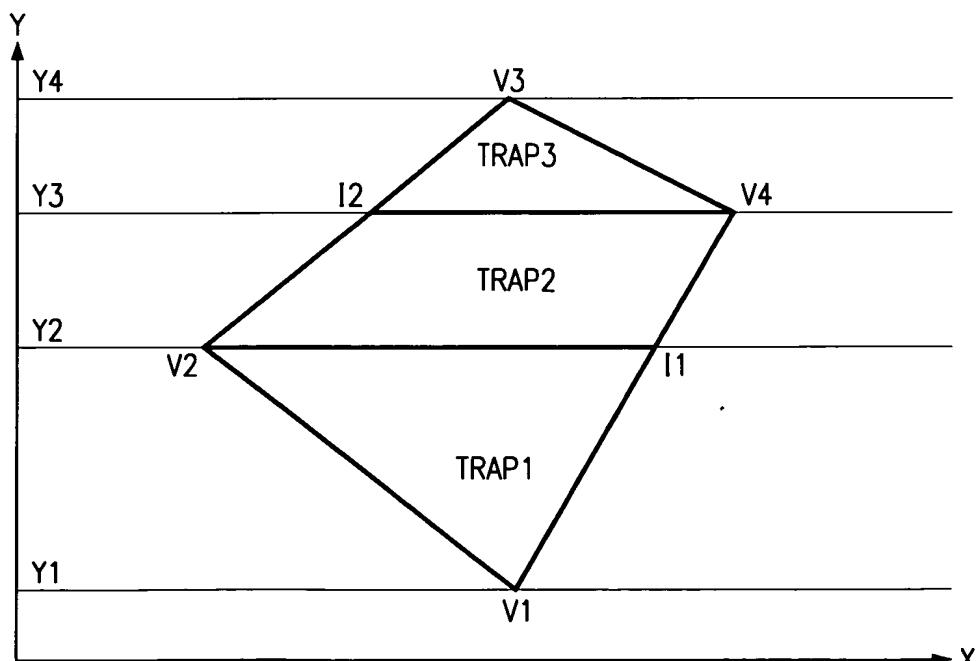
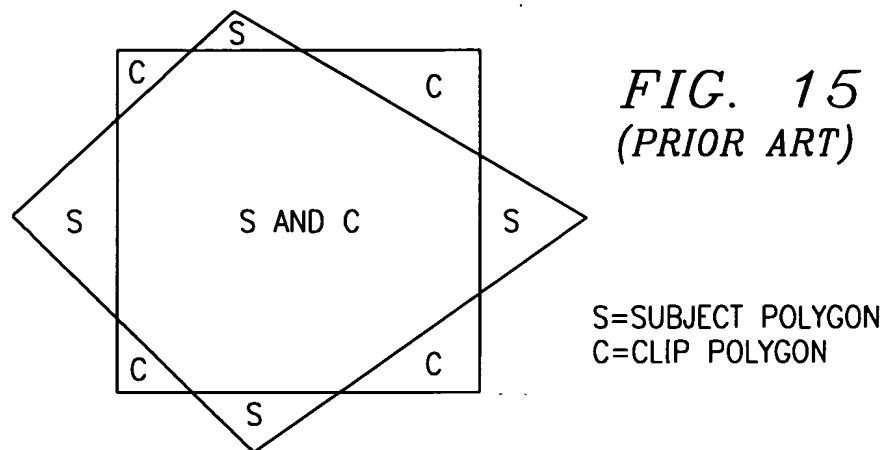
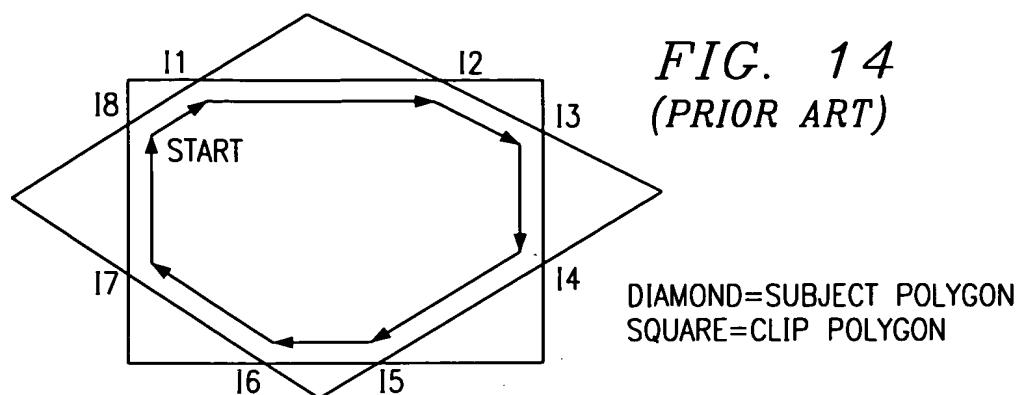


FIG. 16 (PRIOR ART)

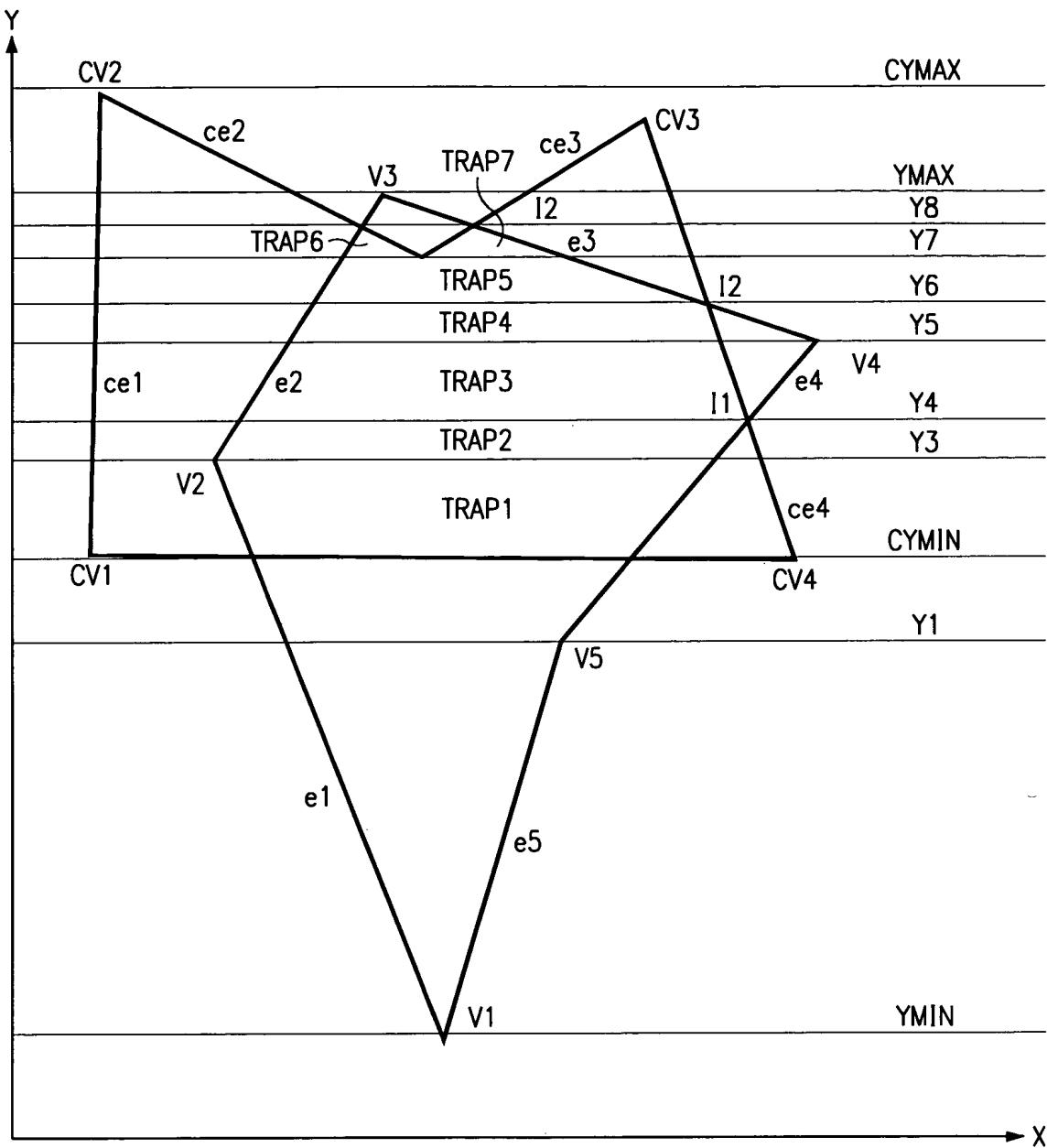


FIG. 17

CE1 x1	CE4 x2
--------	--------

AET OF CLIP POLYGON AT SCANLINE CYMIN

E1 x3	E4 x4
-------	-------

AET OF SUBJECT POLYGON AT SCANLINE CYMIN

x_1, x_2, x_3, x_4 XBOTTOM VALUES OF RESPECTIVE EDGES.

FROM FIGURE 17, $x_1 < x_3$ AND $x_2 > x_4$

$x_{left} = \text{MAXIMUM } (x_1, x_3)$ i.e. EDGE E1

$x_{right} = \text{MINIMUM } (x_2, x_4)$ i.e. EDGE E4

FIG. 18

AETs AT SCANLINE Y7

ce1 xb1 ce2 xb2 ce3 xb3 ce4 xb4 

e2 xb5	e3 xb6	X
--------	--------	---

$x_{b1} \dots x_{b6}$ ARE RESPECTIVE XBOTTOMS
OF THE EDGES IN THE AETs

FROM FIGURE 17, $xb_1 < xb_5$ AND $xb_4 > xb_6$

xleft=MAXIMUM (xb1,xb5) i.e. EDGE ce1

xright=MINIMUM ($xb2, xb6$) i.e. EDGE ce2

SECOND TRAPEZOID IS POSSIBLE AS THE AETS DID NOT REACH THE END OF LIST

xleft=MINIMUM (xb3,xb6) i.e. EDGE ce3

xright=MINIMUM (xb4,xb6) i.e. EDGE e3

FIG. 19

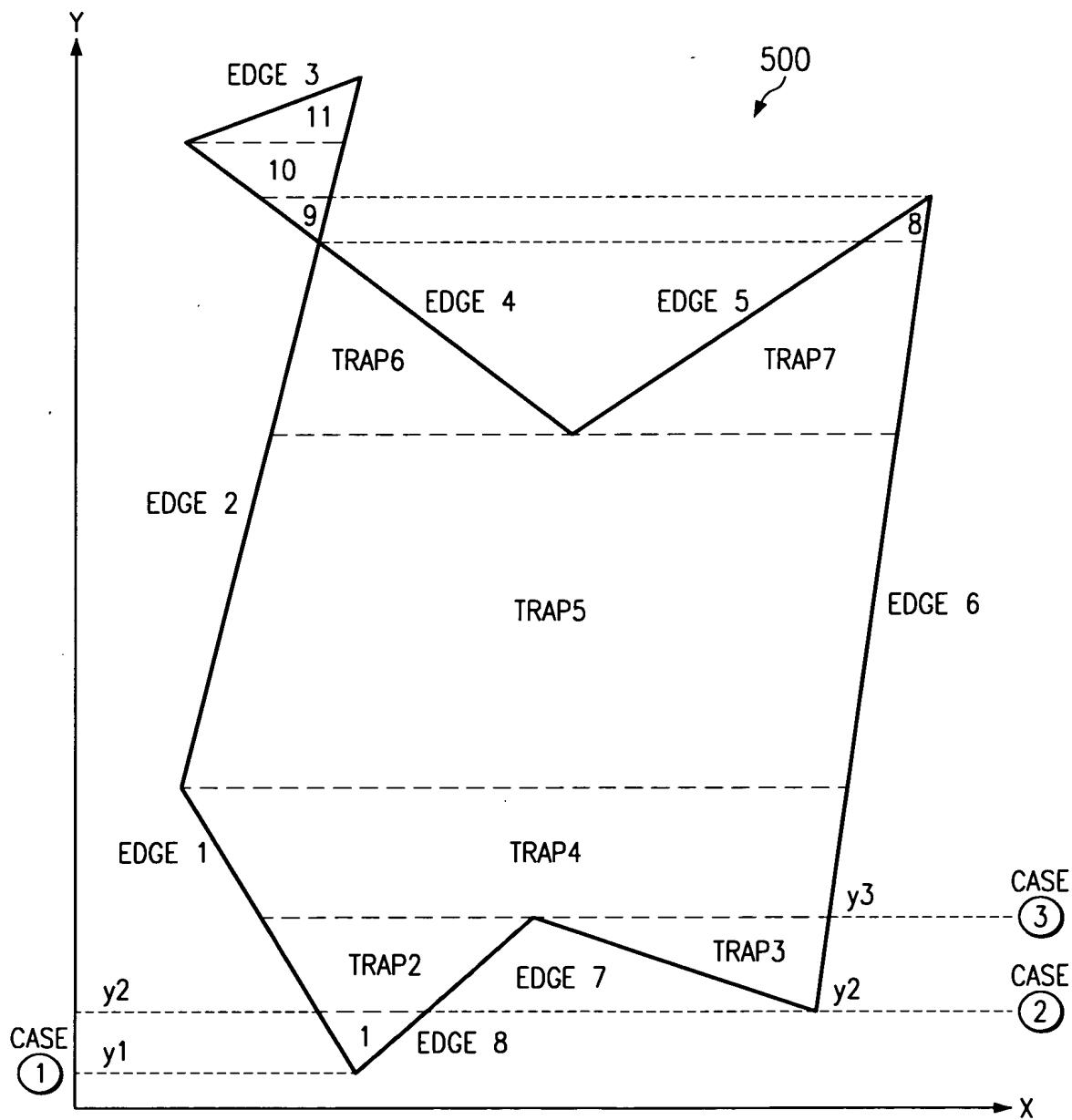


FIG. 20

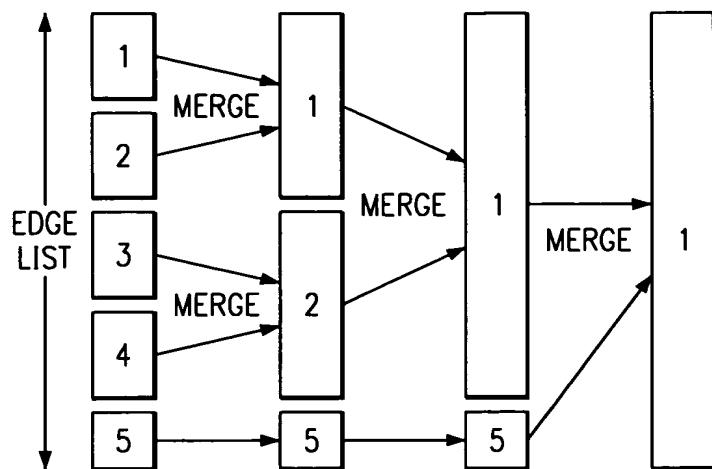


FIG. 21

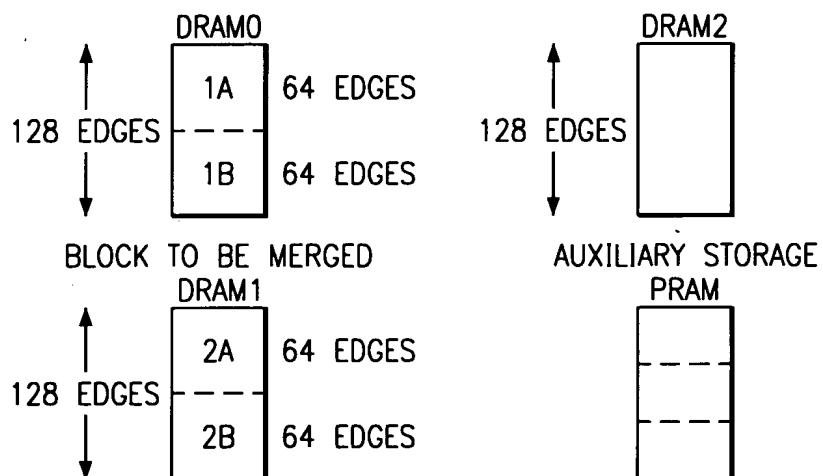


FIG. 22

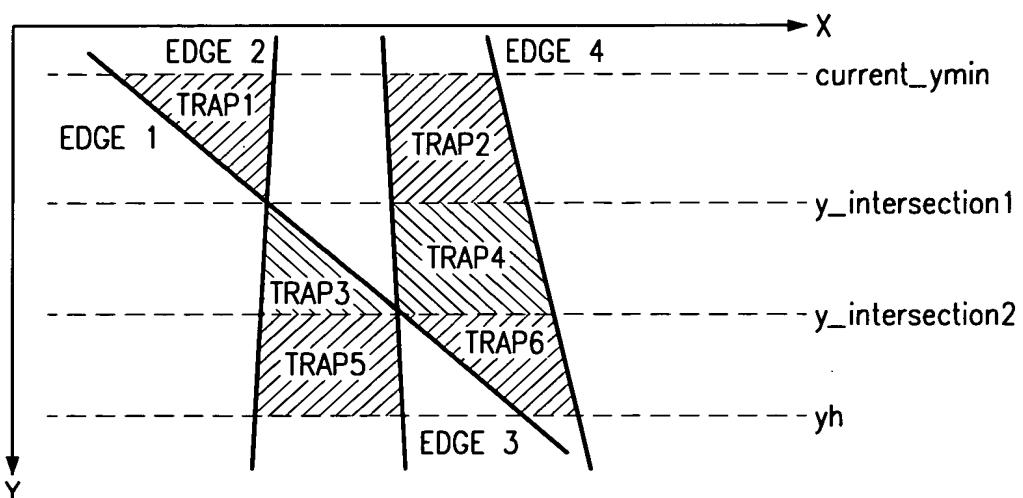


FIG. 23

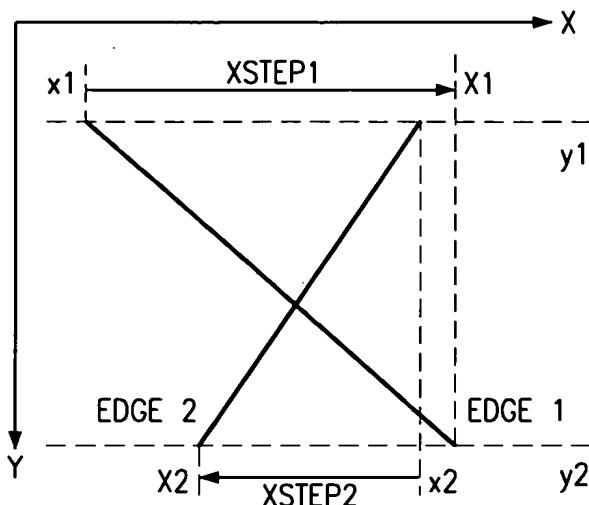


FIG. 24

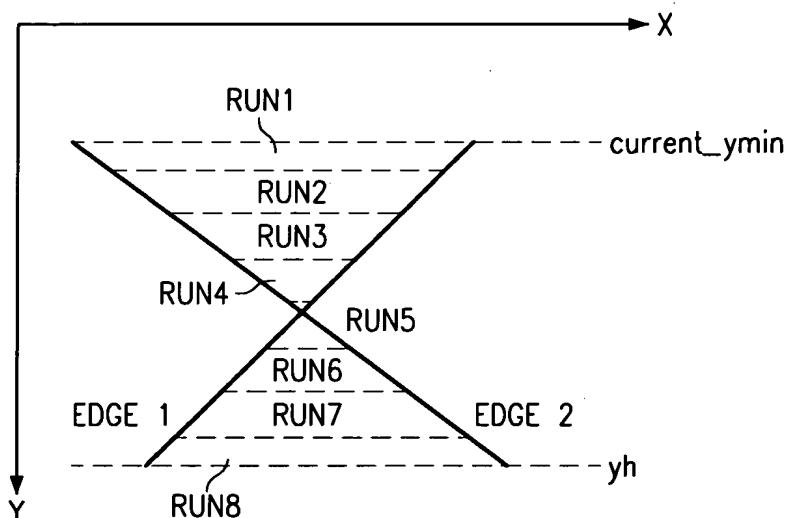
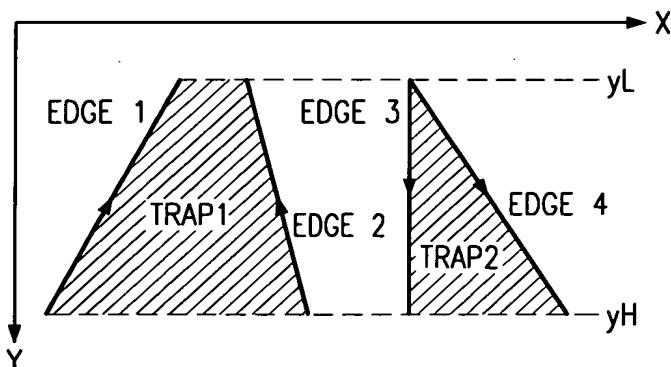


FIG. 25



AET(EDGE TABLE)	EDGE 1	EDGE 2	EDGE 3	EDGE 4
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FIG. 26

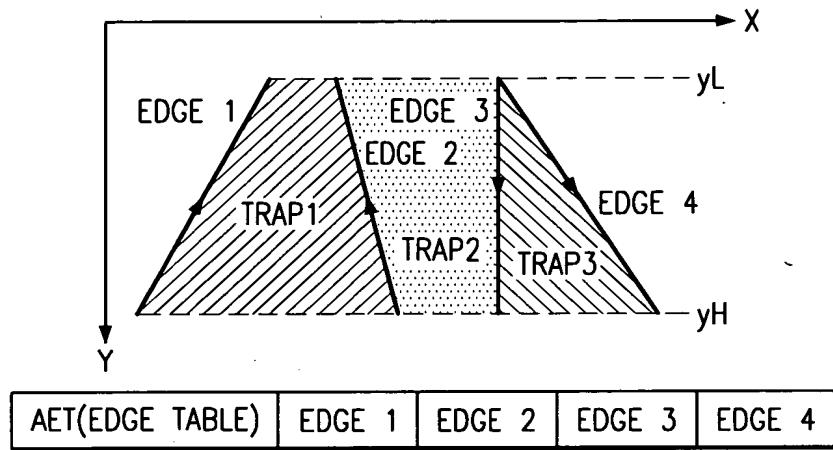


FIG. 27

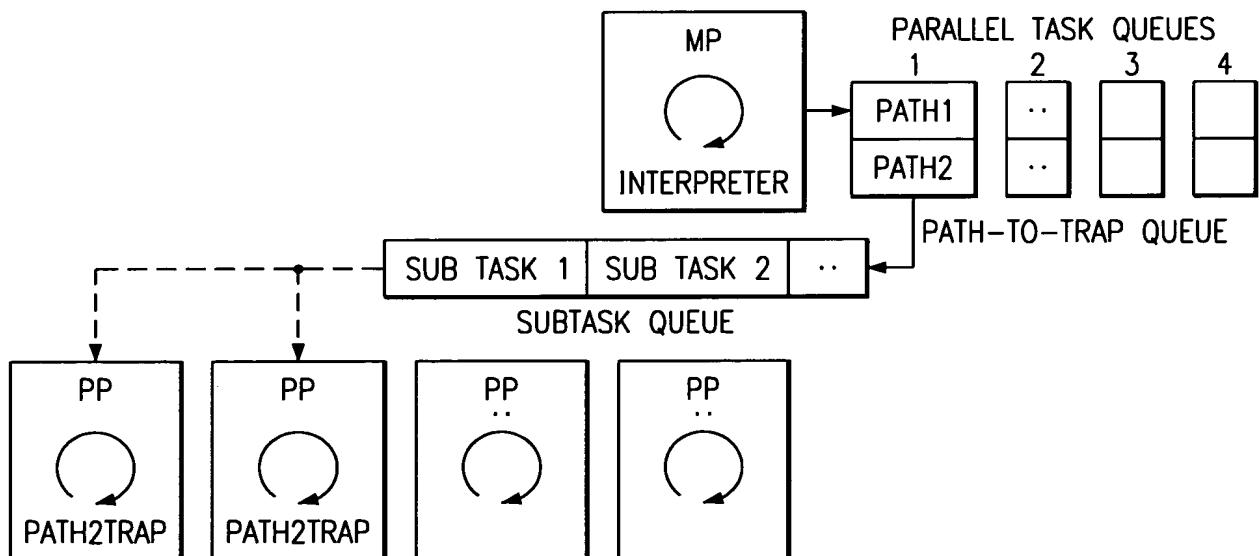


FIG. 28